

FIG. 1

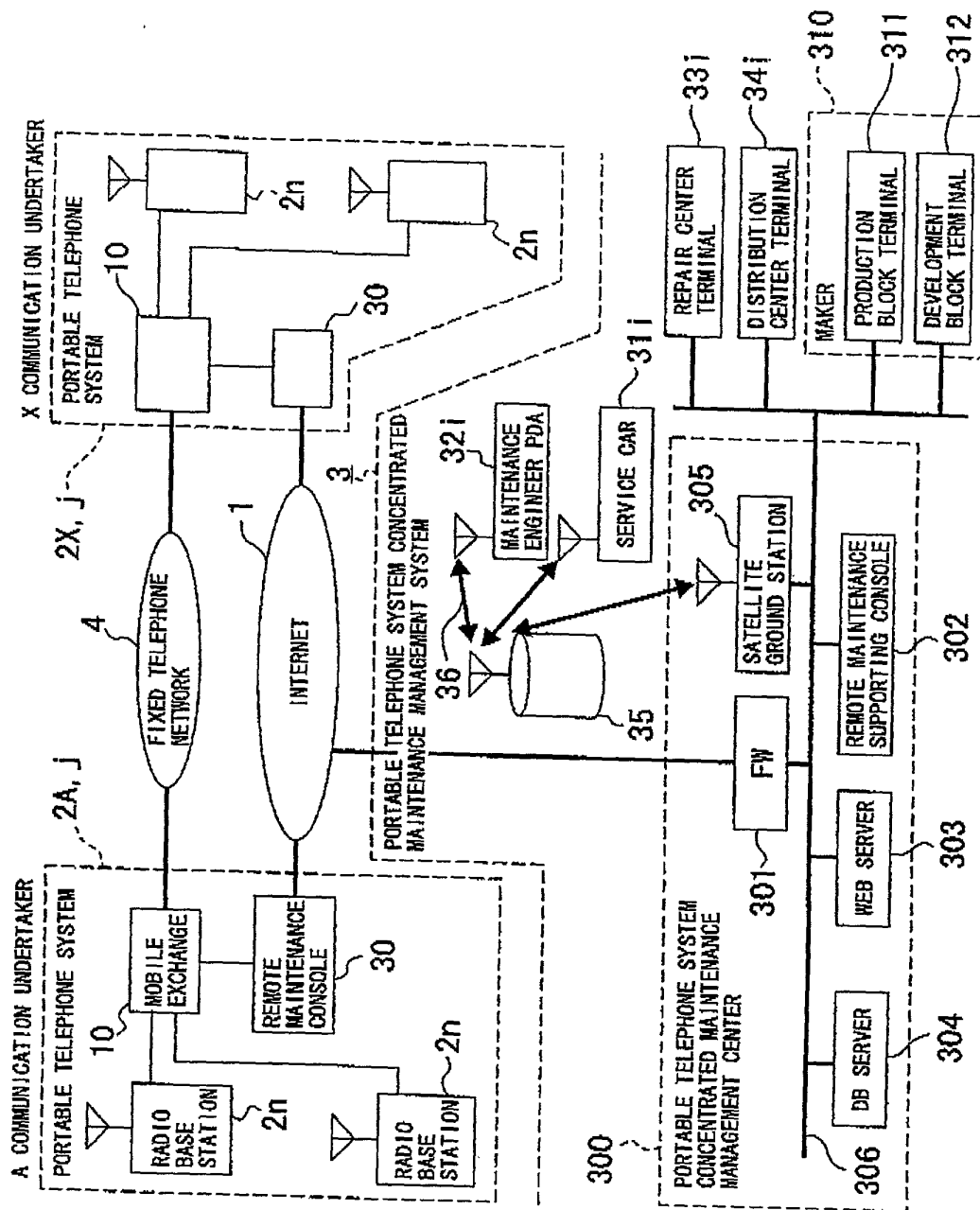


FIG. 2

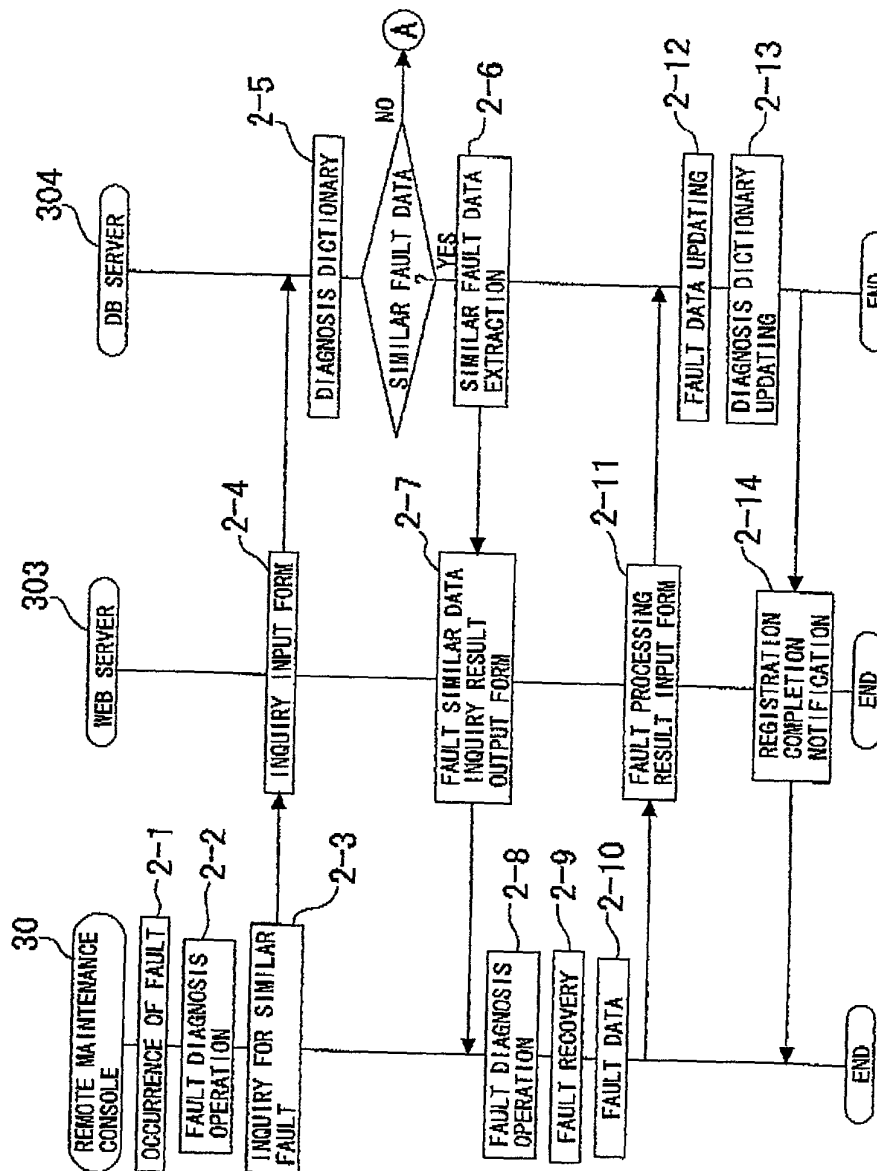


FIG. 2

FIG. 3

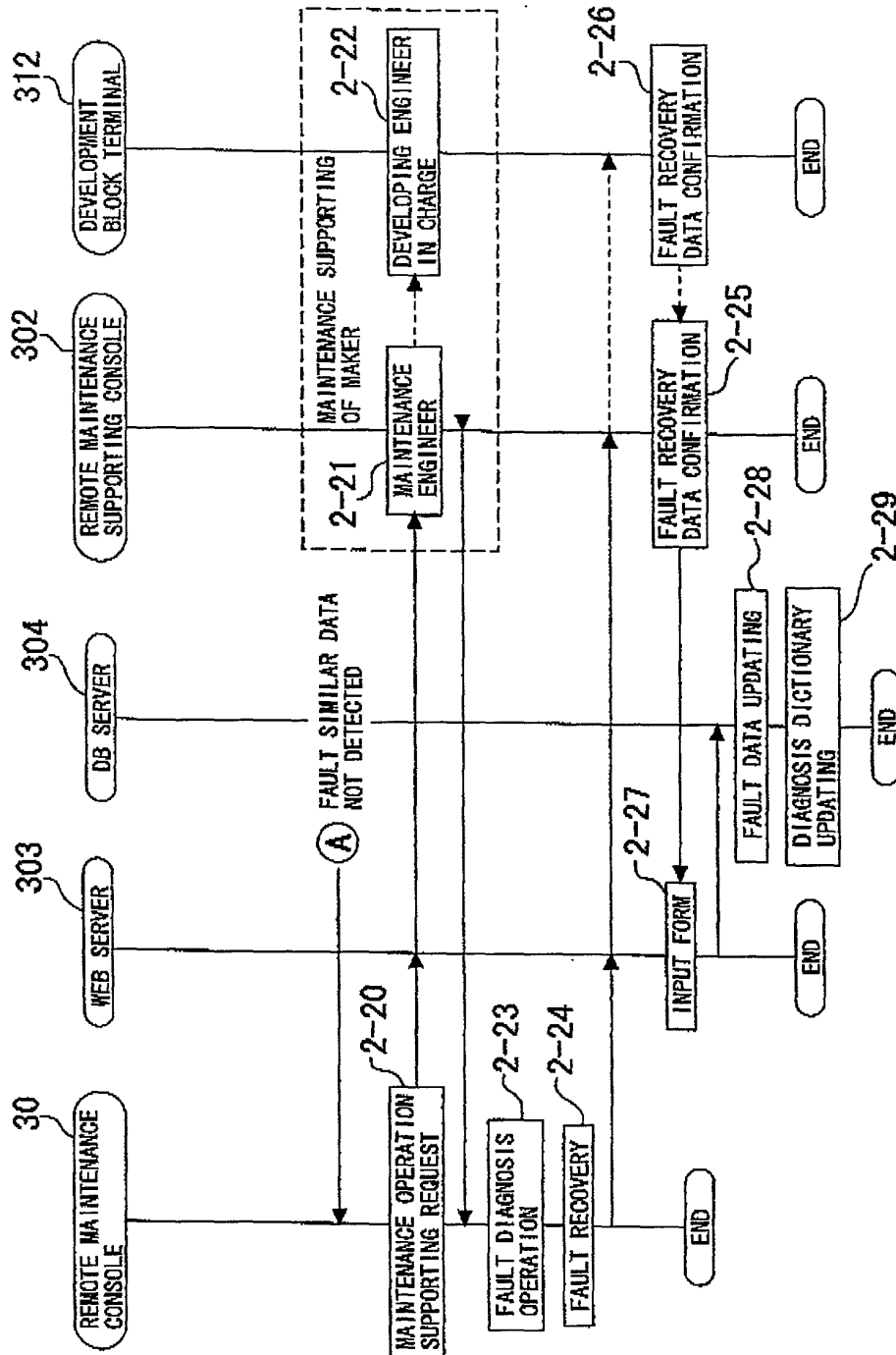
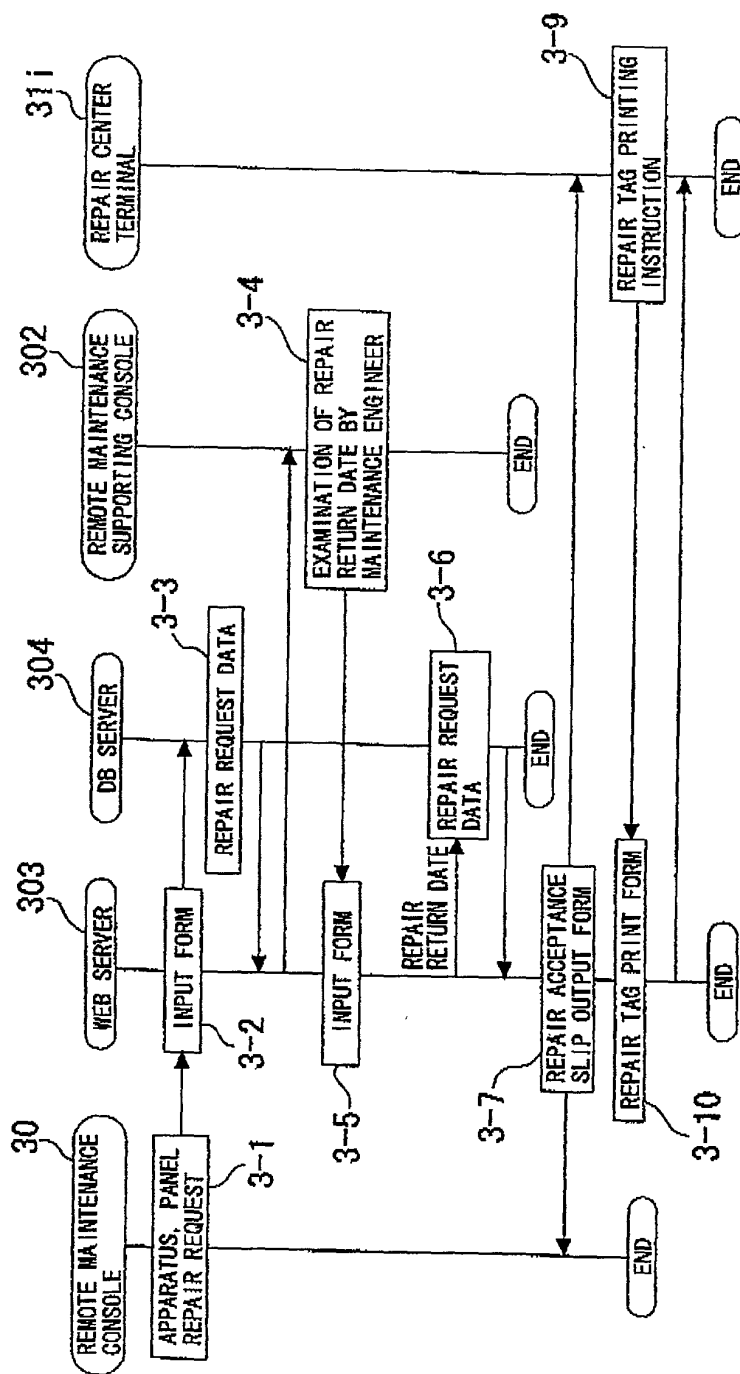


FIG. 4



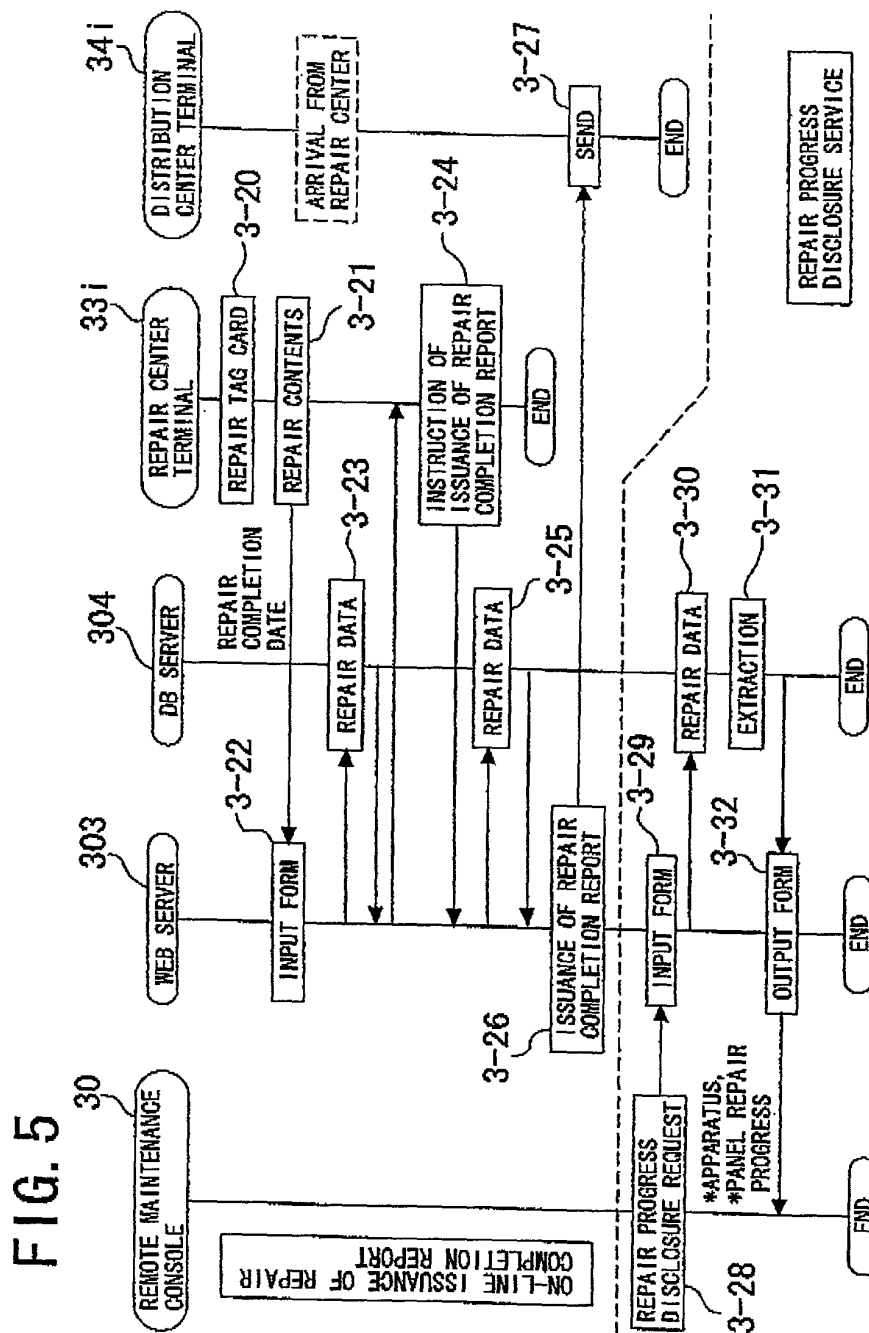


FIG. 6

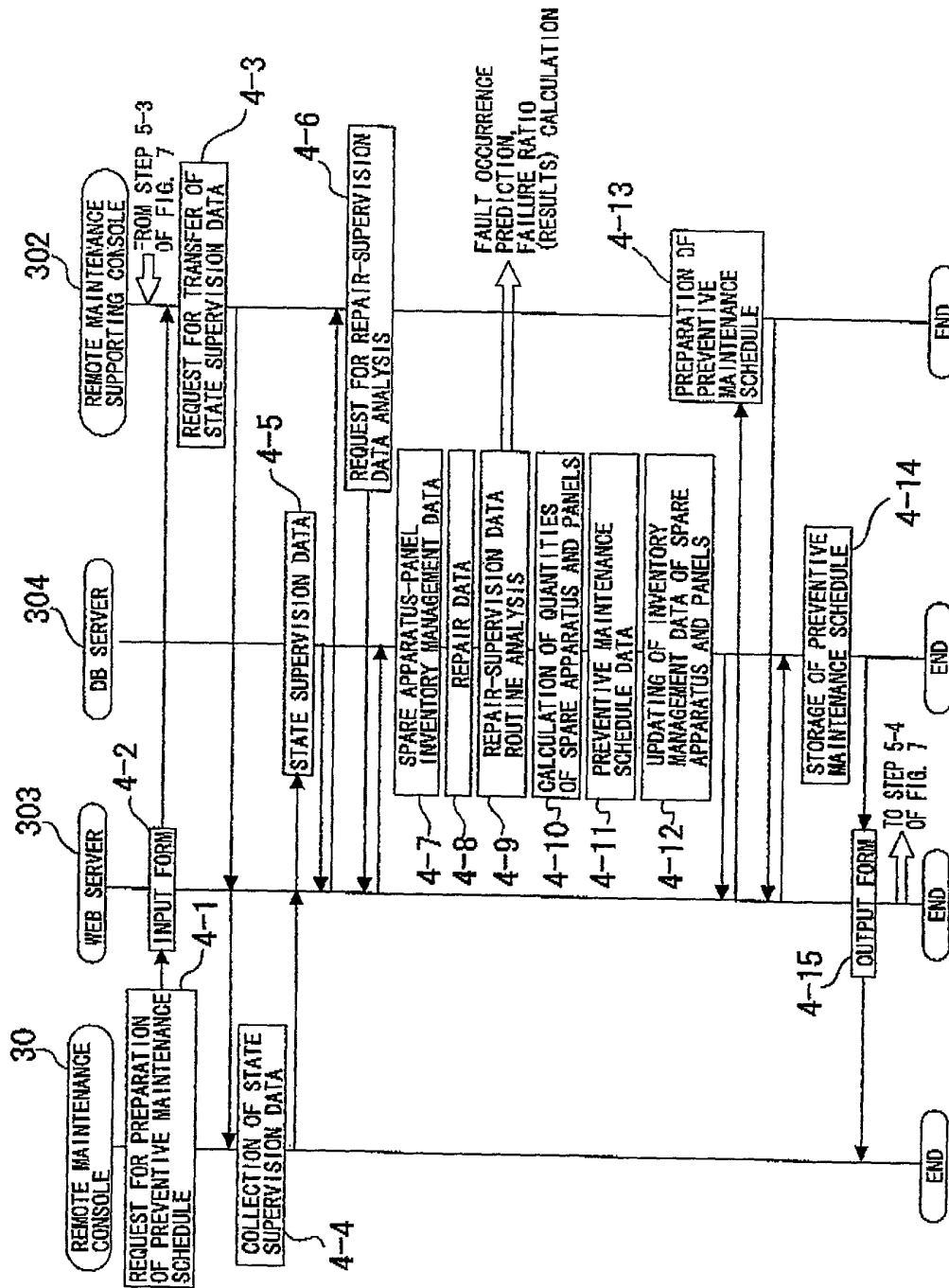


FIG. 7

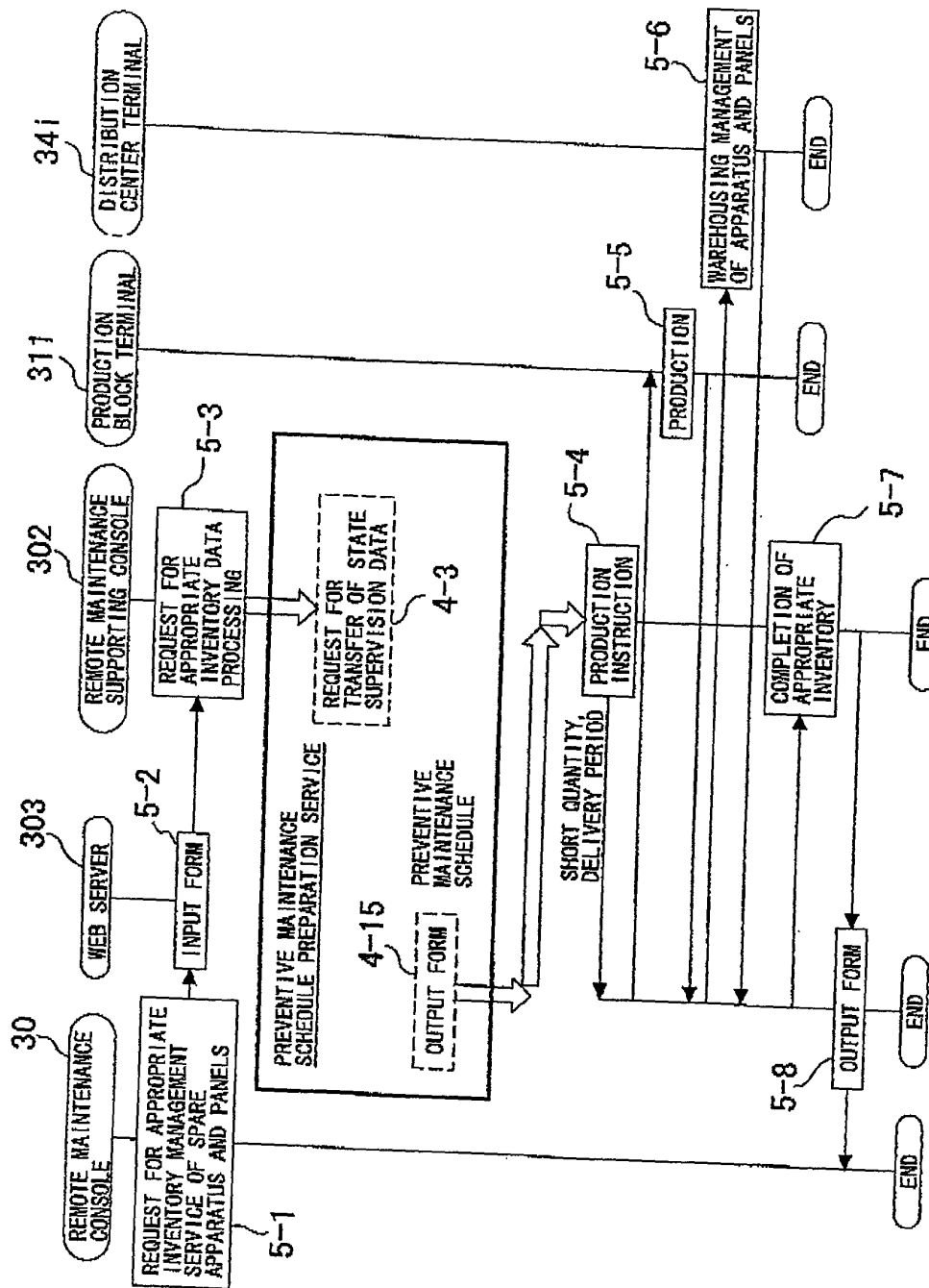


FIG. 7

FIG. 8

800

T001 FAULT SIMILAR DATA INQUIRY

ID ☒ 801

INQUIRY DATE 802

FAULT APPARATUS NAME 803

STATION NAME 804

FAULT CONTENTS 805

INQUIRER 806

TRANSMISSION 807

END

RECORD: 1 /1

FIG. 9

900

T002 FAULT SIMILAR DATA INQUIRY RESULT

ID	901
INQUIRY DATE	902
FAULT APPARATUS NAME	903
FAULT CONTENTS	904
FAULT PROCESSING CONTENTS 1	905
FAULT PROCESSING CONTENTS 1 ACCUMULATION	906
FAULT PROCESSING CONTENTS 2	907
FAULT PROCESSING CONTENTS 2 ACCUMULATION	908
FAULT PROCESSING CONTENTS 3	909
FAULT PROCESSING CONTENTS 3 ACCUMULATION	910
FAULT PROCESSING CONTENTS 4	911
FAULT PROCESSING CONTENTS 4 ACCUMULATION	912

RECORD: 1 / 1

T002 FAULT SIMILAR DATA INQUIRY RESULT

FIG. 10

1000

T003 FAULT PROCESSING RESULT INPUT

ID ☐ 1001

FAULT OCCURRING DATE 1002

FAULT PROCESSING COMPLETION DATE 1003

FAULT APPARATUS NAME 1004

FAULT CONTENTS 1005

FAULT PROCESSING CONTENTS 1006

FAULT PROCESSING ENGINEER IN CHARGE 1007

RECORD: 1 /1

FIG. 11

1100

T004 FAULT RECOVERY DATA INPUT

ID	<input type="text"/>	1101
FAULT RECOVERY DATE	<input type="text"/>	1102
FAULT APPARATUS NAME	<input type="text"/>	1103
FAULT CONTENTS	<input type="text"/>	1104
FAULT PROCESSING CONTENTS	<input type="text"/>	1105
DIAGNOSIS DICTIONARY REGISTRATION	<input type="text"/>	1106
MAINTENANCE ENGINEER	<input type="text"/>	1107
MAINTENANCE SUPPORTING ENGINEER	<input type="text"/>	1108
DEVELOPING ENGINEER IN CHARGE	<input type="text"/>	1109
REMARKS	<input type="text"/>	1110

RECORD: 1 /1

FIG. 11

1200

Figure 1 is a schematic diagram of a repair request input screen. The screen is titled "T005 APPARATUS, PANEL REPAIR REQUEST INPUT". It features a vertical list of input fields on the left: ID, REPAIR REQUEST DATE, APPARATUS NAME, PANEL NAME, ORDER NUMBER, REPAIR REQUEST CONTENTS, DELIVERY DESTINATION, DESIRED TERM, REPAIR REQUESTING PERSON, REPAIR REQUEST CLASSIFICATION, and REMARKS. To the right of these fields are corresponding input areas, some of which are labeled with numbers 1201 through 1210. At the bottom, there are buttons for "TRANSMISSION" (labeled 1211) and "END". A "RECORD:" section at the very bottom includes navigation icons and a page indicator "1/1".

FIG. 14

1400

T007 APPARATUS, PANEL REPAIR ACCEPTANCE SLIP OUTPUT

ID	<input type="checkbox"/> 1401
REPAIR REQUEST DATE	<input type="text"/> 1402
APPARATUS NAME, PANEL NAME	<input type="text"/> 1403 1404
REPAIR REQUEST CONTENTS	<input type="text"/>
DELIVERY DESTINATION	<input type="text"/>
DESIRED TERM	<input type="text"/> 1406
REPAIR REQUESTING PERSON	<input type="text"/> 1407 1405
REPAIR REQUEST CLASSIFICATION	<input type="text"/> 1408
REPAIR RETURN DATE (MAKER)	<input type="text"/> 1409
REPAIR ACCEPTING PERSON	<input type="text"/> 1410 1411
REMARKS	<input type="text"/>

RECORD: 1 /1

FIG. 15

1500

FIG. 15 is a screenshot of a software window titled "T008 APPARATUS, PANEL REPAIR TAG PRINT". The window displays a form for entering repair request information. The form is organized into two columns. The left column contains labels for various fields, and the right column contains corresponding input boxes. The fields are as follows:

Field Label	Field Number
ID	1501
REPAIR REQUEST DATE	1502
APPARATUS NAME, PANEL NAME	1503
REPAIR REQUEST CONTENTS	1504
DELIVERY DESTINATION	1506
DESIRED TERM	1507
REPAIR REQUESTING PERSON	1508
REPAIR REQUEST CLASSIFICATION	1509
REPAIR RETURN DATE (MAKER)	1510
REPAIR ACCEPTING PERSON	1511
DIAGNOSIS CONTENTS	1512
UNACCEPTABLE PART	1514
PROCESSING CONTENTS	1515
REMARKS	1516

At the bottom of the window, there is a "RECORD:" section with navigation buttons (back, forward, search, etc.) and a page indicator showing "1 / 1".

FIG. 17

1700

TOO10 APPARATUS, PANEL REPAIR COST REPORT

ID	1701	PROCESSING	1713
REPAIR REQUEST DATE	1702	REPAIR COMPLETION DATE	1714
APPARATUS NAME, PANEL NAME	1703	ONEPLUS/GRATIS	1715
REPAIR REQUEST CONTENTS	1704	REQUESTED EXPENSE	1716
DELIVERY DESTINATION	1705	REMARKS	1717
DESIRED TERM	1706		
REPAIR REQUESTING PERSON	1707		
REPAIR REQUEST CLASSIFICATION	1708		
REPAIR RETURN DATE (MAKER)	1709		
REPAIR ACCEPTING PERSON	1710		
DIAGNOSIS CONTENTS	1711		
FAULTY PART	1712		

RECORD: 1 / 1

FIG. 18

1800

FIG. 18 is a screenshot of a web browser window displaying a form titled "T0011 APPARATUS, PANEL REPAIR PROGRESS DISCLOSURE REQUEST". The form contains several input fields and a checkbox, each labeled with a reference numeral:

- ID: 1801 (with a checked checkbox)
- REPAIR REQUEST DATE: 1802
- APPARATUS NAME, PANEL NAME: 1803
- REPAIR REQUEST CONTENTS: 1804
- DELIVERY DESTINATION: 1805
- DESIRED TERM: 1806
- REPAIR REQUESTING PERSON: 1807
- REPAIR REQUEST CLASSIFICATION: 1809
- REPAIR RETURN DATE (MAKER): 1810
- REMARKS: 1811

At the bottom of the form, there is a "RECORD:" label followed by navigation buttons (back, forward, search, etc.) and a page indicator showing "1 / 1".

FIG. 19

2001年10月18日 17時51分

HARADA PATENT FAX 03(3560)7056

new US Application of I. NOMURA et al.
Filed: October 19, 2001 - Q66830
"CONCENTRATED MAINTENANCE MANAGEMENT
METHOD AND CONCENTRATED MAINTENANCE
MANAGEMENT SYSTEM FOR PORTABLE TELEPHONE
SYSTEM UTILIZING THE INTERNET" 19/23

FIG. 19

10012 APPARATUS, PANEL REPAIR PROGRESS DISCLOSURE

1900

1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912
REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE	REPAIR REQUEST DATE
APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME	APPARATUS NAME, PANEL NAME
REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS	REPAIR REQUEST CONTENTS
DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION	DELIVERY DESTINATION
DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM	DESIRE TERM
REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON	REPAIR REQUESTING PERSON
REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION	REPAIR REQUEST CLASSIFICATION
REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)	REPAIR RETURN DATE (MAKER)
REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON	REPAIR ACCEPTING PERSON
DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE	DIAGNOSIS OPERATION DATE
DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS	DIAGNOSIS CONTENTS

RECORD: 1 / 1

1913

1914

1915

1916

1917

1918

FIG. 20

2000

T0013 SYSTEM PREVENTIVE MAINTENANCE SCHEDULE PREPARATION

ID	<input type="text" value="2001"/>
PREPARATION REQUEST DATE	<input type="text" value="2002"/>
SYSTEM NAME	<input type="text" value="2003"/>
APPARATUS NAME	<input type="text" value="2004"/>
STATION NAME	<input type="text" value="2005"/>
DELIVERY PERIOD	<input type="text" value="2006"/>
REQUESTING PERSON	<input type="text" value="2007"/>
REMARKS	<input type="text" value="2008"/>

RECORD: 1 /1

FIG. 21

2100

TO014 SYSTEM PREVENTIVE MAINTENANCE SCHEDULE OUTPUT

ID	<input type="checkbox"/> 2101	SPARE PANEL REPLACEMENT TIME	<input type="checkbox"/> 2113
PREPARATION REQUEST DATE	<input type="checkbox"/> 2102	REMARKS	<input type="checkbox"/>
SYSTEM NAME	<input type="checkbox"/> 2103		
APPARATUS NAME	<input type="checkbox"/> 2104		2114
STATION NAME	<input type="checkbox"/> 2105		
DELIVERY PERIOD	<input type="checkbox"/> 2106		
REQUESTING PERSON	<input type="checkbox"/> 2107		
SPARE APPARATUS NAME	<input type="checkbox"/> 2108		
SPARE APPARATUS QUANTITY	<input type="checkbox"/> 2109		
SPARE APPARATUS REPLACEMENT TIME	<input type="checkbox"/> 2110		
SPARE PANEL NAME	<input type="checkbox"/> 2111		
SPARE PANEL QUANTITY	<input type="checkbox"/> 2112		

RECORD: ☐ ☐ ☐ 1 ☐ ☐ ☐ ☐ /1

FIG. 22

2200

The screenshot shows a software window titled "T0015 SPARE APPARATUS, PANEL APPROPRIATE INVENTORY MANAGEMENT SERVICE REQUEST". The window contains a form with the following fields and labels:

- ID**: A text input field with a checkmark icon, labeled 2201.
- PREPARATION REQUEST DATE**: A text input field, labeled 2202.
- SYSTEM NAME**: A text input field, labeled 2203.
- STATION NAME**: A text input field, labeled 2204.
- REQUESTING PERSON**: A text input field, labeled 2205.
- APPARATUS NAME**: A text input field, labeled 2206.
- SPARE APPARATUS DELIVERY DATE (DISTRIBUTION CENTER)**: A text input field, labeled 2207.
- APPROPRIATE INVENTORY PANEL NAME**: A text input field, labeled 2208.
- APPROPRIATE PANEL DELIVERY DATE (DISTRIBUTION CENTER)**: A text input field, labeled 2209.
- REMARKS**: A large text area for notes, labeled 2210.

At the bottom of the window, there is a "RECORDS" section with navigation buttons (back, forward, search, etc.) and a page indicator showing "1 / 1".

FIG. 23

FIG. 23

2300

T0016 SPARE APPARATUS, PANEL APPROPRIATE INVENTORY MANAGEMENT SERVICE OUTPUT	
ID	2301 SPARE PANEL NAME
PREPARATION REQUEST DATE	2302 SPARE PANEL QUANTITY
SYSTEM NAME	2303 SPARE PANEL DELIVERY DATE (DISTRIBUTION CENTER)
APPARATUS NAME	2304 SPARE PANEL INVENTORY QUANTITY
STATION NAME	2305 REMARKS
DELIVERY PERIOD	2306
REQUESTING PERSON	2307
SPARE APPARATUS NAME	2308
SPARE APPARATUS QUANTITY	2309
SPARE APPARATUS PRODUCED QUANTITY	2310
SPARE APPARATUS DELIVERY DATE (DISTRIBUTION CENTER)	2311
SPARE APPARATUS INVENTORY QUANTITY	2312
2313	
2314	
2315	
2316	
2317	

RECORD: 1 / 1